

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 09/25/2005

DSR Number: 109-05-003R Project Number: _____

NRCS Entry Only

Eligible: YES ☒ NO ☐
Approved: YES ☒ NO ☐
Funding Priority Number (from Section 4) 12
Limited Resource Area: YES ☐ NO ☒

Section 1B Sponsor Information

Sponsor Name: Terrebonne Levee and Conservation District

Address: 5500 Hwy. 56

City/State/Zip: Chauvin, LA. 70344

Telephone Number: (985) 594-4104 Fax: (985) 594-9255

Section 1C Site Location Information

County: Terrebonne State: Louisiana Congressional District: 3rd

Latitude: N29-23'36.3" Longitude: W90-47'-24.7" Section: 9 Township: 20 S Range: 17 E

UTM Coordinates: _____

Drainage Name: Lower Bayou Dularge Reach: _____

Damage Description: Breached Levee in system south of Falgout Canal.

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

| Site Eligibility | YES | NO | Remarks |
|--|-------------------------------------|--------------------------|---|
| Damage was a result of a natural disaster?* | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm Surge from Hurricane Rita breached and overtopped |
| Recovery measures would be for runoff retardation or soil erosion prevention?* | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Embankment Repair |
| Threat to life and/or property?* | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Event caused a sudden impairment in the watershed?* | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Imminent threat was created by this event?** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| For structural repairs, not repaired twice within ten years?*** | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Site Defensibility | | | |
| Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***) | <input type="checkbox"/> | <input type="checkbox"/> | |
| Proposed action technically viable? (Go to Page 9 ***) | <input type="checkbox"/> | <input type="checkbox"/> | |

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☐ NO ☐

Comments: _____

* Statutory

** Regulation

*** DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

DSR NO: 109-05-003R

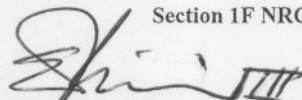
Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A:

Total installation cost identified in this DSR: Section 3: \$ 25,000.00

Section 1F NRCS State Office Review and Approval

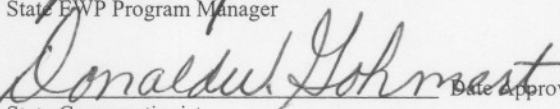
Reviewed By:


State EWP Program Manager

Date Reviewed:

10/4/05

Approved By:


State Conservationist

Date Approved:

10/4/05

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

| 2A Resource Concerns | 2B Existing Condition | 2C Alternative Designation | | |
|--------------------------------|---------------------------------|--|------------------------|---|
| | | Proposed Action | No Action | Alternative |
| | | earthen fill place on levee to close breach. | Allow breach to remain | Sheet pile tied into existing levee to close breach |
| 2D Effects of Alternatives | | | | |
| Soil | | | | |
| Mass Movement | 15tn/ac. | <2 tn/ac. | 30 tn/ac. | <2 tn/ac. |
| Construction | N/A | .5 tn/ac. | N/A | .5 tn/ac. |
| | | | | |
| | | | | |
| Water | | | | |
| Downstream water rights | | | | |
| Suspended sediments | increasing turbidity | short-term turbidity | continued turbidity | short-term turbidity long-term improvements |
| | | | | |
| | | | | |
| | | | | |
| Air | | | | |
| Particulate matter | no effect | slight increase | no effect | slight increase |
| | | | | |
| | | | | |
| | | | | |
| Plant | | | | |
| SAV | limited with turbidity | increase with low turbidity/salinity | few | increase with lower turbidity |
| | | | | |
| | | | | |
| | | | | |
| Animal | | | | |
| freshwater habitat div. | lower due to salinity/sediments | increase due to decrease salinity | decrease | same as proposed |
| | | | | |
| | | | | |
| | | | | |
| Other | | | | |
| flood potential off site | increased | decreased | increased | decreased |
| | | | | |
| | | | | |
| | | | | |

DSR NO: 109-05-003R

Section 2E Special Environmental Concerns

| Resource Consideration | Existing Condition | Alternatives and Effects | | |
|------------------------------------|--|--|--|------------------------|
| | | Proposed Action | No Action | Alternative |
| Clean Water Act Waters of the U.S. | limited for salinity sediments and flooding | lower sediments, salinity, flood damage CWA permit needed | increase in salinity, sediments, flooding. | same as proposed |
| Coastal Zone Management Areas | with in CZM Area | CUP needed | N/A | CUP Needed |
| Coral Reefs | N/A | N/A | N/A | N/A |
| Cultural Resources | state level review needed | | | |
| Endangered and Threatened Species | (FOTG) USFWS, LDWF has listed species in parish but unlikely in project area | low or no impact | no impact | low or no impact |
| Environmental Justice | N/A | N/A | N/A | N/A |
| Essential Fish Habitat | N/A | N/A | N/A | N/A |
| Fish and Wildlife Coordination | no stream modifications proposed | will be address if needed in CWA permit process | N/A | same as proposed |
| Floodplain Management | with in 100 year floodplain | increase flood control | function impaired | increase flood control |
| Invasive Species | Chinese tallow tree present inside levee system | no impact | no impact | no impact |
| Migratory Birds | habitat inside levee reduced due to increase salinities | protection for habitat | Habitat inside levee reduced | protection for habitat |
| Natural Areas | none identified | N/A | N/A | N/A |
| Prime and Unique Farmlands | none identified | N/A | N/A | N/A |
| Riparian Areas | N/A | | | |
| Scenic Beauty | N/A | | | |
| Wetlands | salinity/sediments impacted inside levee | potection for intermediate to freshwater marshes | salinity/sediments impacts | same as proposed |
| Wild and Scenic Rivers | N/A | | | |

Completed By: John Pitre & Michael Trusclair

Date: 09/25/2005

DSR NO: 109-05-003R

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

| | Future Damages (\$) | Damage Factor (%) | Near Term Damage Reduction |
|--|---------------------|-------------------|----------------------------|
| Properties Protected (Private) | | | |
| 105 Homes @ 90,000.00 | 9,450,000.00 | 25 | 2,362,500.00 |
| | | | |
| Properties Protected (Public) | | | |
| 2 Schools @ 200,000.00 | 400,000.00 | 25 | 100,000.00 |
| 1 Library | 150,000.00 | 25 | 37,500.00 |
| 1 Fire Station | 400,000.00 | 25.00 | 100,000.00 |
| 2 Pump Stations @ 400,000.00 | 800,000.00 | 25 | 200,000.00 |
| Business Losses | | | |
| 5 Businesses @ 150,000.00 | 750,000.00 | 25 | 187,500.00 |
| 10 Shrimp Docks @ 175,000.00 | 1,750,000.00 | 25 | 437,500.00 |
| 10 Oyster Docks @ 175,000.00 | 1,750,000.00 | 25 | 437,500.00 |
| 1 Marina | 275,000.00 | 25 | 68,750.00 |
| Other | | | |
| 1 Shrimp Factory | 1,000,000.00 | 25 | 250,000.00 |
| 1 Boat Launch | 100,000.00 | 25 | 25,000.00 |
| 3 Churches @ 200,000.00 | 600,000.00 | 25 | 150,000.00 |
| 2 Cemeteries @ 150,000.00 | 300,000.00 | 25 | 75,000.00 |
| | | | |
| Total Near Term Damage Reduction \$ | | | 4,431,250.00 |
| Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3) | | | 4,406,250.00 |

Completed By: Michael Trusclair

Date: 09/30/2005

Section 2G Social Consideration This section must be completed by each alternative considered

(attach additional sheets as necessary).

| | YES | NO | Remarks |
|---|-------------------------------------|-------------------------------------|---------|
| Has there been a loss of life as a result of the watershed impairment? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Is there the potential for loss of life due to damages from the watershed impairment? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Has access to a hospital or medical facility been impaired by watershed impairment? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Is there a lack or has there been a reduction of public safety due to watershed impairment? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

Completed By: Michael Trusclair Date: 09/27/2005

DSR NO: _____
109-05-003R

Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

| Group Representation | Number |
|--|--------------------|
| American Indian/Alaska Native Female Hispanic | 0 |
| American Indian/Alaska Native Female Non-Hispanic | 43 |
| American Indian/Alaska Native Male Hispanic | 0 |
| American Indian/Alaska Native Male Non-Hispanic | 46 |
| Asian Female Hispanic | 0 |
| Asian Female Non-Hispanic | 0 |
| Asian Male Hispanic | 0 |
| Asian Male Non-Hispanic | 0 |
| Black or African American Female Hispanic | 0 |
| Black or African American Female Non-Hispanic | 1 |
| Black or African American Male Hispanic | 0 |
| Black or African American Male Non-Hispanic | 1 |
| Hawaiian Native/Pacific Islander Female Hispanic | 0 |
| Hawaiian Native/Pacific Islander Female Non-Hispanic | 0 |
| Hawaiian Native/Pacific Islander Male Hispanic | 0 |
| Hawaiian Native/Pacific Islander Male Non-Hispanic | 0 |
| White Female Hispanic | 8 |
| White Female Non-Hispanic | 170 |
| White Male Hispanic | 8 |
| White Male Non-Hispanic | 184 |
| Total Group | 415 461 |

Census tract(s) South Central Planning & Development Commission

Completed By: Michael Trusclair

Date: 09/25/2005

DSR NO: 109-05-003R

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Sponsor shall obtain CWA permit and CUP

Mitigation Description:

Borrow and fill materials shall be wetted to reduce dust.

Construction shall be conducted ASAP in September and continued until complete to avoid start/stop disturbance if any Bald eagles winter in areas.

Agencies, persons, and references consulted, or to be consulted:

US Army Corps of Engineers
State Historic Preservation Office
LDNR

DSR NO: 109-05-003R

Section 3 Engineering Cost Estimate

Completed By: Dale Garber

Date: 09/27/2005

This section must be completed by each alternative considered (attach additional sheets as necessary).

| Proposed Recovery Measure (including mitigation) | Quantity | Units | Unit Cost (\$) | Amount (\$) |
|---|----------|-------|----------------|-------------|
| Mobilization | 1 | LS | 7,470.00 | 7,470.00 |
| Embankment Repair | 458 | CY | 35.00 | 16,030.00 |
| Seeding | 1 | LS | 1,500.00 | 1,500.00 |
| | | | | 0.00 |
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| | | | | 0.00 |
| | | | | 0.00 |
| Total Installation Cost (Enter in Section 1F)\$ | | | | 25,000.00 |

Unit Abbreviations:

| | | | |
|----|-------------|----|-----------------|
| AC | Acre | LS | Lump Sum |
| CY | Cubic Yard | SF | Square Feet |
| EA | Each | SY | Square Yard |
| HR | Hour | TN | Ton |
| LF | Linear Feet | | Other (Specify) |

DSR NO: 109-05-003R

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

| Priority Ranking Criteria | Yes | No | | Ranking Number Plus Modifier |
|---|-------------------------------------|--------------------------|-----------------|------------------------------|
| 1. Is this an exigency situation? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| 2. Is this a site where there is serious, but not immediate threat to human life? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| 3. Is this a site where buildings, utilities, or other important infrastructure components are threatened? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| 4. Is this site a funding priority established by the NRCS Chief? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| The following are modifiers for the above criteria | | | Modifier | |
| a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat? | | | | |
| b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places? | | | | |
| c. Will the proposed action or alternatives protect or conserve prime or important farmland? | | | | |
| d. Will the proposed action or alternatives protect or conserve existing wetlands? | | | | |
| e. Will the proposed action or alternatives maintain or improve current water quality conditions? | | | | |
| f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats? | | | | |

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

DSR NO: 109-05-003R

Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.3.2
Chapter _____
Chapter _____
Chapter _____
Chapter _____

_____ May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

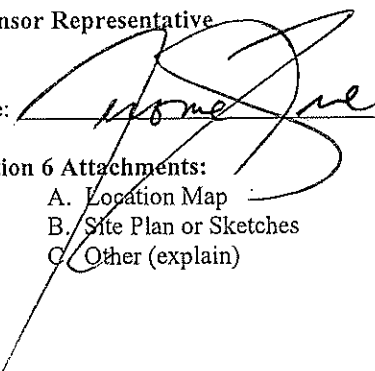
Title: Michael Trusclair Date: 10/02/2005

Section 5B Comments:

Section 5C

Sponsor Concurrence:

Sponsor Representative

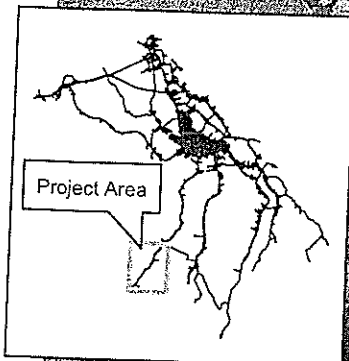
Title:  Date: 11/01/05

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

DSR# 109-05-003R

Lower Dularge



Project Area

Bayou Road

Bayou Dularge Road

Fols Canal Court

Fols Court
Fols Court

LOWER BAYOU DULARGE
LEVEE REPAIR

DSR NO: 109-05-003F

Section 3 Engineering Cost Estimate

Completed By: D. GARBER

Date: 9/27/05

This section must be completed by each alternative considered (attach additional sheets as necessary).

| Proposed Recovery Measure (including mitigation) | Quantity | Units | Unit Cost (\$) | Amount (\$) |
|---|------------|-----------|-------------------|--------------------|
| <u>MOBILIZATION</u> | <u>1</u> | <u>LS</u> | <u>\$7,470.00</u> | <u>\$7,470.00</u> |
| <u>EMBANKMENT REPAIR</u> | <u>458</u> | <u>LY</u> | <u>\$35.00</u> | <u>16,030.00</u> |
| <u>SEEDING</u> | <u>1</u> | <u>LS</u> | <u>1,500.00</u> | <u>1,500.00</u> |
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| | | | | |
| Total Installation Cost (Enter in Section 1F) \$ | | | | <u>\$25,000.00</u> |

Unit Abbreviations:

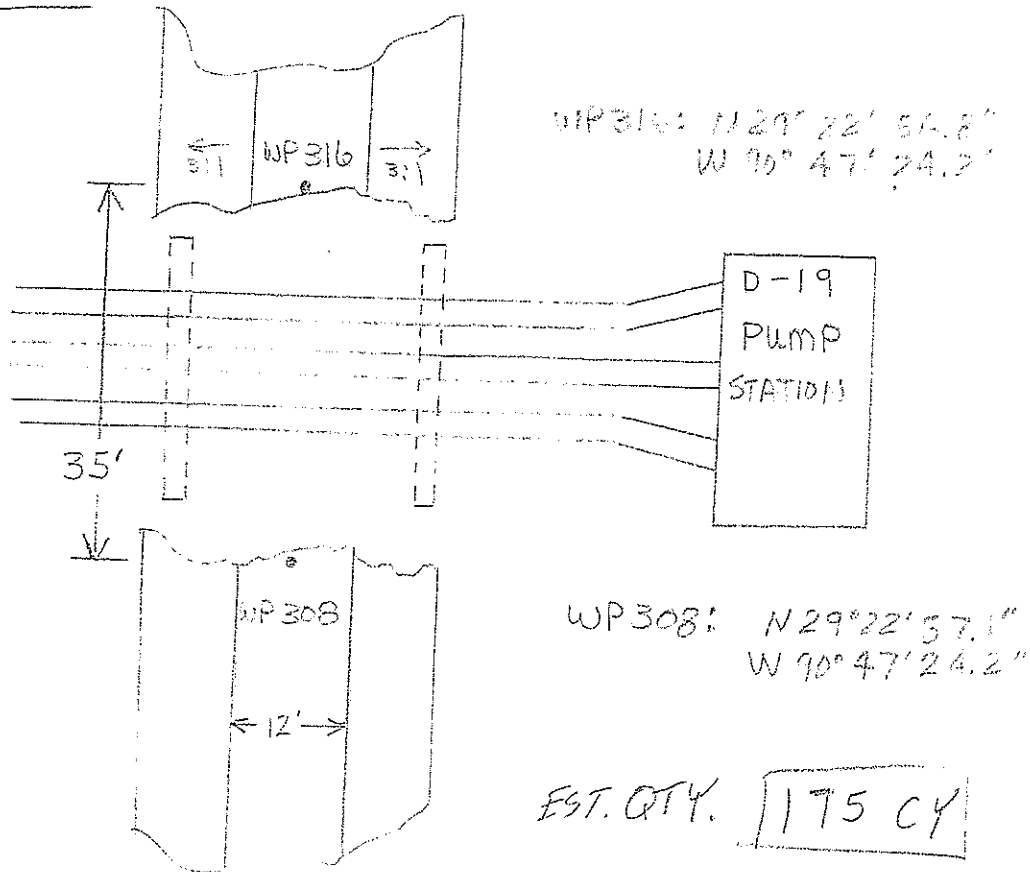
AC Acre
CY Cubic Yard
EA Each
HR Hour
LF Linear Feet

LS Lump Sum
SF Square Feet
SY Square Yard
TN Ton
Other (Specify)

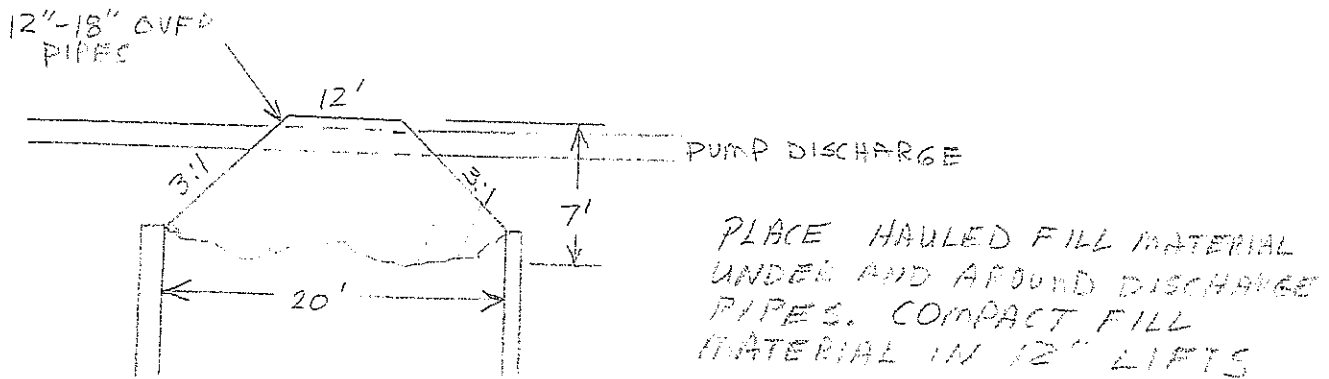
LOUISIANA TERREBOINE PARISH EWP
D. GARBER 9/27/05
BATON DULARGE LEVEE REPAIR 1 2

DSP # 109-05-003R

SITE 1



PLAN VIEW



LOUISIANA
D. GARDELL 7/12/15

TERREBOUNE PARISH EWP

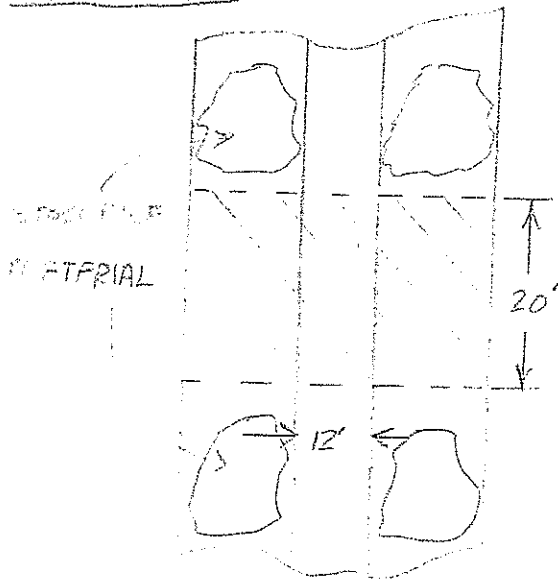
SANDY DULACRE LEVEE REPAIR

2

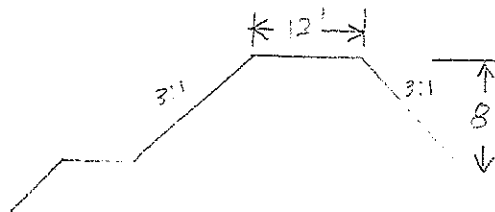
2

DSP # 107-05-003A

SITE 2 & 3



BREACH LEVEE AT TWO LOCATIONS
20' WIDE X 8' DEEP TO ALLOW
WATER TO DRAIN OUT OF
SYSTEM. REPAIR BREACH WITH
EXISTING MATERIAL TO ORIGINAL
LEVEE SECTION.



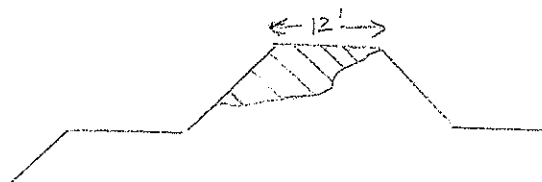
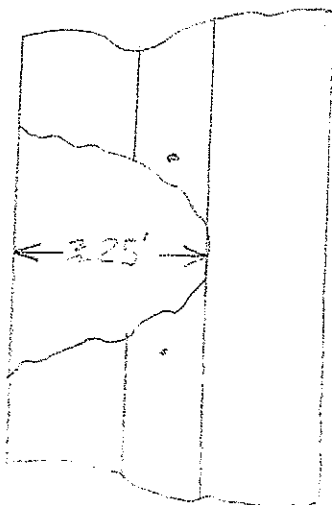
$$\frac{12 + 60}{2} \times 8 = 288 \text{ CF}$$

$$\frac{288 \times 20}{27} = 213 \text{ CY}$$

SITE 4

WPA# 306
N 29° 23' 36.3"
W 90° 47' 24.7"

WPA# 307
N 29° 23' 36.0"
W 90° 47' 24.7"



$$\text{VOL. OF FILL} = \frac{25' \times 3' \times 25'}{27} = 69 \text{ CY}$$

SAY 70 CY

7/26/05

Dead Cow 30

Bayou Du Large Levee System

Started @ Tailout Canal and headed South. Looking at interior slope first.

Breach #1

PIC # 387

388

306

3' deep 25'

307

Breach #2

PIC #

D-19 P.S.

389-393

316

Need 7-8'

30'

Fill

Track in

Material

1.04220

Sta.

B.S.

H.I.

F.S. or
Grade RodElev or
Planned Elev

WP# 306

N 29° 23' 36.3" W 90° 47' 24.7"

WP# 307

N 29° 23' 36.0" W 90° 47' 24.7"

WP# 308

N 29° 22' 57.1" W 90° 47' 24.2"

WP# 316

N 29° 22' 56.8" W 90° 47' 24.2"

- Legend**
- 2000 Census Tiger Line**
- Interstates
 - US Highways
 - State Highways
 - Local Roads
 - Hydrography
 - D-19 Impact Area
 - Census Block Groups

